Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

Noc (For Other Works) Date……2018

Division: **Project** Sub-Division: **Project**

Bill Received No. Dated Divisional Cash Book Voucher No…….. Dated……
Sub Divisional **Job Code: 005-17-000064**

Schedule Docket No. Head of Account: **P-3112** Est.Cost- **40.00 Lakhs**

Name of Work: **CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05**

Name of Contractor and Full Address: **M/S KRIDL**

Reference to Agreement No**: 124 /2017-18** Date:20-02-2018

Certified that the measurements were taken by me on 29/11/18 and recorded of Pages 162378 to 162378 of measurement Book No. 1624/39 | 17-18 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Certified that the measurement were taken by me on 29/11/2018 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being ……percent Rs……		
3) " Balance		
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No…… Amount adjusted	Today	39,16,050-00
towards cash advance recovery of	IT-	78321-00
b) Payments Now made cost store or other material supplied.	Cess-	39161-00
recovery of amount creditable to this/other work	CBF-	3916-00
Amount paid on this bill Cheque / Cash.	LR-	22005-00
	FSD-	195803-00
	CGST-	34965-00
	SGST-	34965-00
	Adju.	409136-00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted -	Cheque	35,06,914-00

Contractor's Signature

Received Rs…….. (in words)……
……
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

(For use in the Office)

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Witness
1.
2.

Stamp

Audited & Admitted for Rs. Rs. 39,16,050-00

Dated Signature of Contractor

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Paid by me by Cheque No. ……Dated……

Cash Rs……

Dated……

Initials of Officer making payment

Rs. 35,06,914-00 by Cheque
and Rs. 409136-00 by Adjustment

Executive Engineer

Accts. Supdt.
Project Division
B.B.M.P.
08/01

Exe. Engineer
Project Division
B.B.M.P

NAME OF WORK:-CONSTRUCTION OF DE.B.R.AMBEDKAR [illegible]

Name of the Agency : KRIDL

Work Order no: No.EE(Project)/Ynk Zone/WO/ /2017-18

FIRST AND PART BILL

Item no	Description of work	Unit	Estimate Qnty	Previous		Present			Total up to date	
				Qnty	Amount	Qnty	Rate	Amount	Qnty	Amount
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry , cement concrete,wood work,steel work, including T& P and scaffolding wherever necessary , sorting the dismantled material,disposal of unserviceable marerial and stacking the serviceable material with all lifts complete as per specificationsii)Dismantling brick / tile work in cement mortar and as per the directions of the Engineer-in-charge of the work.	Cum	13.94			13.94	263.52	3672.94	13.94	3672.94
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above and as per the directions of the Engineer-in-charge of the work.	Cum	4.59			4.59	1103.76	5066.26	4.59	5066.26
3	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm,, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials to be used or auctioned,s including removal and disposal of top organic soil not exceeding 150 mm in thickness as per specifications. I. By Manual l Means, A, In area of light jungle and as per the directions of the Engineer-in-charge of the work.	Ha	0.03			0.03	52788.24	1584- 1562.53	0.03	1584- 1562.53
4	Compaction of original ground with maximum of 6 passes of 8 to 10 tones power roller including filing in depression occurring during rolling including cost of all labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum	88.80			88.80	4.86	431.57	88.80	431.57
5	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications and as per the direction of the Engineer-in-charge.	Cum	83.25			83.25	169.56	14115.87	83.25	14115.87
6	Earthwork excavation by manual means for foundation of buildings,water supply,sanitary lines and electrical conduits either in pis or in trenches1.5m and above in width,in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits & trenches ,stacking the excavated soil clear from the edges of excavation with lead upto 50m after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	169.14			168.96	305.64	51640.93	168.96	51640.93
7	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed concrete laid layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials, labour. HOM of mahinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	13.05			13.05	5256.36	68595.50	13.05	68595.50

8	[illegible] retaining walls, return walls (any thickness) including attached pilasters, columns, pillars, posts, struts, bed blocks, anchor blocks and Plinth etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work .	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layers by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	108.00			108.00	137.16	14813.28	108.00	14813.28
10	Providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortor 1:8,stone hammer dressed in courses less than 20 cms high.bond stones at 2 m apart in each course, including cost of all materials ,labour, curing complete as per specification and as per the directions of the Engineer-in-charge of the work.	Cum	19.98			19.78	4359.96	86240.01	19.78	86240.01
11	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in Ground Floor Level for Roof Slabs, Staircase, Lintels and Beams, retaining walls, return walls, Walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, Parapets, Coping, bed blocks, anchor blocks, Plain Window Cills, Fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum	66.42			66.33	6876.36	456139.90	66.33	456139.90
12	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificationand as per the directions of the Engineer-in-charge of the work .	Sqm	82.80			82.80	244.08	20209.82	82.80	20209.82
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	44.70			44.70	316.44	14144.87	44.70	14144.87
14	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	154.84			154.84	395.28	61205.16	154.84	61205.16
15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	168.00			168.00	594.00	99792.00	168.00	99792.00

16	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work . (GROUND FLOOR)	MT	10.01			10.00	65455.56	654654.94	10.00	654654.94
18	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfications and as per the directions of the Engineer-in-charge of the work .	Sqm	206.49			205.26	1011.96	207714.91	205.26	207714.91
19	Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 3.5 Newton per Sqmm with cement mortar 1:4 (quoin, Jamb, closer blocks) with blocks of size 40x10x20cms. (lxbxh) conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	41.40			40.02	773.28	30946.67	40.02	30946.67
20	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 1200mm and as per the directions of the Engineer-in-charge of the work .	Sqm	174.41			174.41	2144.88	374088.52	174.41	374088.52
21	Providing Ceramic tiles of approved make, shade and size for flooring treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement usign colour pigment, including cost of materials, labour, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	11.16			11.16	1270.08	14174.09	11.16	14174.09
22	Providing skirting, dado, rises of steps with White glazed tiles 20x20cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	10.92			10.92	1027.08	11215.71	10.92	11215.71
23	Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	0.06			0.06	200787.12	12047.23	0.06	12047.23
24	Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	6.00			6.00	8964.00	53784.00	6.00	53784.00

25	[illegible]	Sqm	0.81			0.81	[illegible]	[illegible]	0.81	[illegible]
26	Providing and fixing in position Mathi.Nandi wood shutters for doors with styles and rails of 40 mm, thick with bottom and lock rails 180 mm wide top rails and styles 100 mm wide as per drawing and panels of 25 mm thick including cost of materials , labour HOM of machinery complete as per specifications (excluding cost of fixtures) and as per the directions of the Engineer-in-charge of the work .	Sqm	3.78			3.78	4239.00	16023.42	3.78	16023.42
27	Providing 18mm thick cement plaster in Single coats with cement mortar 1:6 to Brick Masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	161.04			161.04	213.84	34436.79	161.04	34436.79
28	Providing 12mm thick cement plaster in single coat with cement mortor 1:6, to brick masonry including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	294.96			292.48	162.00	47381.76	292.48	47381.76
29	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specification - do with primer and as per the directions of the Engineer-in-charge of the work .	Sqm	294.96			292.48	97.20	28429.06	292.48	28429.06
30	Providing and finishing external walls with in two coats with water proof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortardrops and other foreign matter cost of material labour complete as per specifications with primer and as per the directions of the Engineer-in-charge of the work .	Sqm	161.04			161.04	90.72	14609.55	161.04	14609.55
31	Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mm x 18mm, 1.25mm thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc. and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steels crews, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar,	Sqm	32.76			32.76	4123.44	135083.89	32.76	135083.89

32	Providing , fabricating , assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505 kg/m , top section 47.62x44.45mm thickness 3.18mm, section weight 2.646 kg/m, door central section 49.91x44.45mm thickness 3.00mm,section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m , aluminium section cut to length joint metred corners grinded , the shutters pivoted opening arrangment with heavy duty aluminium alloy automatic door closures floor mounted ,providing and fixing standard approved accessories , such as aluminium handle for full width or length, tower bolts, lock , pivots :P.V.C.or rubber gasket with 5.5m.thick plain glass for top and bottom panel: aluminium section treated for removel of any rust and prevention of further rust formation,and coated with greasy materials for non - adherance of mortars or any other stick materials; the assemble frame fitted with the corner angles, strips and fitted with screws ,rawl plugs or teakwood guttise to R.C.C.columns or masonry on	Sqm	3.78			3.78	6814.80	25759.94	3.78	25759.94
33	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Kgs	850.50			850.50	84.24	71646.12	850.50	71646.12
34	Providing and fixing 304 - grade stainless steel hand rails of 14-gauge pipes for Ramps or Staircase,are made out of stainless steel hallow pipes, using 50mm dia for verticals @1.60 mtr c/c are fixed to the ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of Vertical pipes 4 - Nos anchor bolts & 40mm dia pipes are fixed horizontally for 2-rows top, one pipes are fixed with vertical pipes another one are fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops, bottoms & corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. Ramps or Staircase for physically challenged	Sqm	9.00			9.00	6286.68	56580.12	9.00	56580.12
35	Earthwork excavation for foundation of buildings culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches where excavation width is up to 600mm and below 1.5m, in ordinary soil including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50m. after breaking of clods complete as per specifications and directions of the Engineer-in-charge of the work.	Cum	4.66			4.66	169.56	790.15	4.66	790.15
36	Providing and laying in position plain cement concrete of mix M 1:3:6 With opc Cement @ 220 kgs with using 40mm and down size graded granite metal Coarse Aggregates @0.892Cum , & Fine Aggregates @0.465Cum ,machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer-in-charge of the work.	Cum	1.38			1.38	5449.68	7520.56	1.38	7520.56

37	Providing and constructing granite / trap/ basalt size stone masonry in foundation with cement mortar 1:6 stone hammer dressed in courses not less then 30 cms high, bond stones at 3 m apart in each course including cost of materials, labour, curing complete as per specifications and directions of the Engineer-in-charge of the work.	Cum	4.14			4.14	3508.92	14526.93	4.14	14526.93
38	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfication and as per the directions of the Engineer-in-charge of the work.	Sqm	23.00			23.00	1011.96	23275.08	23.00	23275.08
39	Providing 18mm thick cement plaster in Single coats with cement mortar 1:6 to Brick Masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer-in-charge of the work.	Sqm	92.00			91.80	213.84	19630.51	91.80	19630.51
40	Providing and fixing M.S.Gate as per architects drawingusing 50 x50 mm 14 guage M.S. Hollow pipe frame work bent to ornamental shape and 35 x 6 mm and 16 x 16 mm square rods vertically alternatively spaced at 4 cmc/c/ in two halves and 40 x 6 mm M.S.Flats for horizontal member at top and cast iron spikes are provided at alternate vertical members as per specifications and directions of the Engineer-in-charge of the work.	Sqm	6.10			4.61	3168.72	14601.46	4.61	14601.46
41	Providing & fixing white vitreous china clay , water closet European type (Pedestal type , S-Trap) with black solid plastic seat and lid . CP Brass hinges , rubber buffers, 10 litre white glazed / vitreous china clay low level flushing cistern (all are approved make) with fittings C.I. /M.S. Brackets , 40 mm diameter flush bend fittings and clamps over flow arrangement with specials and 25 mm mosquito proof coupling of approved design , painting of fittings and brackets ,cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directions of the Engineer-in-charge of the work.	Nos	4.00			2.00	5351.40	10702.80	2.00	10702.80
42	Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a single of 15mm C.P brass pillar taps with C.I / M.S. brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications and directions of the Engineer-in-charge of the work.	Nos	4.00			2.00	4196.88	8393.76	2.00	8393.76
43	Providing and fixing in position brass bib cock of approved quality 20 mm dia nominal bore including cost of materials, labour HOM of equipments with all leads complete with specifications and directions of the Engineer-in-charge of the work.	Each	8.00			4.00	262.44	1049.76	4.00	1049.76
44	Providing and fixing to wall, ceiling and floor unplasticised PVC 6kgs/sqm working pressure with pipe fittings, walll clips etc. and making good the wall , ceiling and floor for sanitary pipe lines including cost of all materials, labour HOM of acquirements and testing complete as per specifications and as per the directions of the Engineer-in-charge of the work.a) 75 mm dia	Rmt	25.00			25.00	302.40	7560.00	25.00	7560.00

45	Providing and fixing to wall, ceiling and floor unplasticised PVC 6kgs/cm2 working pressure with pipe fittings, wall clips etc. and making good the wall , ceiling and floor for sanitary pipe lines including cost of all materials, labour HOM of acquirements and testing complete as per specifications and as per the directions of the Engineer-in-charge of the work.b) 110 mm dia	Rmt	15.00			15.00	444.96	6674.40	15.00	6674.40
46	Providing and fixing rigid PVC bend of required degree (of approved make) for S.W.R. drainage pipes of approved including lubricating and as per the directions of the Engineer-in-charge of the work.	Each	10.00			10.00	561.60	5616.00	10.00	5616.00
47	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions of 12.5cms x 7.5cms (Rate is inclusive of cost of materials and fixtures and conveyanceof materials to work spot) and as per the directions of the Engineer-in-charge of the work.	Nos	10.00			10.00	307.80	3078.00	10.00	3078.00
48	Constructing brick masonry inspection chamber 600X600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M-15 with 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3 finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Nos	2.00			2.00	9670.32	19340.64	2.00	19340.64
49	Providing and fixing CPVC pipes confirming to IS 15778 , having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mt spacing . This includes jointing of pipes and fittings with one stepCPVC Solvent cement and cost of cutting chases and making good the same including testing of joints complete (concealed work including cutting chasea and good the walls etc.) and as per the directions of the Engineer-in-charge of the work.a) 32 mm dia	Rmt	15.00			15.00	334.80	5022.00	15.00	5022.00
50	Providing and fixing CPVC pipes confirming to IS 15778 , having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mt spacing . This includes jointing of pipes and fittings with one stepCPVC Solvent cement and cost of cutting chases and making good the same including testing of joints complete (concealed work including cutting chasea and good the walls etc.) and as per the directions of the Engineer-in-charge of the work. b) 25 mm dia	Rmt	35.00			35.00	270.00	9450.00	35.00	9450.00
51	Providing and fixing in position brass stop cock of approved quality 32mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Each	8.00			8.00	170.64	1365.12	8.00	1365.12
52	Providing and fixing in position brass gate valve with C.I. Wheel of approved quality (screed end) 5 mm nominal bore including cost of all materials , labour , HOM of equipments ith all lead , complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Nos	2.00			2.00	1050.84	2101.68	2.00	2101.68

53	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m.in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum	15.00			15.00	204.12	3061.80	15.00	3061.80
54	Providing and laying in position to required level or slope 150mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Rmt	10.00			10.00	381.24	3812.40	10.00	3812.40
55	Refilling available earth around the pipeline, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum	15.00			15.00	82.08	1231.20	15.00	1231.20
56	Providing stoneware gully trap of approved quality and make fixing inm-15 and plastering with CM 1:3 wherever necessary. (Rate includes cost of all materials, fixtures and lead) and as per the directions of the Engineer-in-charge of the work.	Nos	8.00			8.00	291.60	2332.80	8.00	2332.80
57	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m.and above in width, in ordinary soil not exceeding 1.5m.in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum	30.00			30.00	204.12	6123.60	30.00	6123.60
58	Providing and fixing in trenches galvanised medium grade 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipments and testing complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Rmt	30.00			30.00	550.80	16524.00	30.00	16524.00
59	Refilling available earth around the pipeline, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specification and as per the directions of the Engineer-in-charge of the work.	Cum	30.00			30.00	82.08	2462.40	30.00	2462.40
60	Providing and fixing 50mm dia nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials,labour charges,HOM of equipments and testing complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Nos	4.00			4.00	1615.68	6462.72	4.00	6462.72
61	Providing and placing on terrace , polyethylene water storage tanks and as per the directions of the Engineer-in-charge of the work.	Nos	1.00			1.00	9144.36	9144.36	1.00	9144.36
62	Earthwork excavation for foundation of structures as per drawings and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising /tramsporting the remaining earth locally upto1.0kms lead - Ordinary Rock and as per the directions of the Engineer-in-charge of the work.	Cum	12.29			12.29	76.68	942.24	12.29	942.24

63	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC Cement @230kgs with 40mm and down size graded granite metal coarse aggregate @0.893 cum and fine aggregates @0.463 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, 110M of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum	1.02			1.02	5449.68	5558.67	1.02	5558.67
64	Providing and laying in position reinforced cement concrete of design I mix M25 with with OPC Cement @340 kgs with 20mm and down size graded granite metal coars aggregates @0.70 cum and fine aggregates @ 0.47cum with superplasticisers @3liters confirming to IS9103-1999 Reaffirmed -2008 at machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings , pedestals , retaining walls ,return walls ,walls(any thickness) including attached pilasters, columns , pillars, posts , struts, buttresses, bed blocks,, anchor blocks & plinth etc.including cost of all materials, labour, HOM of machinary, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum	2.56			2.56	6718.68	17193.10	2.56	17193.10
65	Extra for use of water proofing compound in Cement concrete of mix 1:1:2, at one kg of compound per bag of cement and as per the directions of the Engineer-in-charge of the work.	Cum	2.56			2.56	275.40	704.75	2.56	704.75
66	Providing and removing centering, shuttering, strutting, propping etc., and removal of from work for sides and soffits of beams, beam haunchings, cantilever griders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Sqm	9.60			9.60	276.48	2654.21	9.60	2654.21
67	Providing and removing centering, shuttering, strutting, propping etc., and removal of from work for flat surface such as suspended floors, roofs landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Sqm	9.00			9.00	594.00	5346.00	9.00	5346.00
68	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfication and as per the directions of the Engineer-in-charge of the work.	Sqm	13.92			13.92	1011.94	14086.20	13.92	14086.20
69	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work.	MT	0.27			0.27	76329.00	20486.70	0.27	20486.70
70	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum	8.69			3.60	137.16	493.78	3.60	493.78
71	Providing 20 mm thick cement plaster in single coat with CM 1:3 to stone masonry / concrete surface including rounding off corners wherever required smooth rendering: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specification and as per the directions of the Engineer-in-charge of the work.	Sqm	21.60			21.60	279.72	6041.95	21.60	6041.95

72	Providing 12mm thick cement plastering in single coat with cement mortar 1:4 to ceiling including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specification and as per the directions of the Engineer-in-charge of the work.	Sqm	7.48			7.48	192.24	1437.96	7.48	1437.96
73	Providing and fixing MS door for sump including cost of labour, materials and one coat of primer paint and two coats of enamel painting etc and as per the directions of the Engineer-in-charge of the work.	Sqm	0.36			0.36	3780.00	1360.80	0.36	1360.80
74	Open Conduit System Supplying heavy gauge PVC conduit pipe …….dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws and as per the directions of the Engineer-in-charge of the work.a) 19/20mm dia 2mm thick	m	130.00			130.00	54.00	7020.00	130.00	7020.00
75	b) 25mm dia 2mm thick	m	110.00			110.00	70.00	7700.00	110.00	7700.00
76	Concealed Conduit System: Supplying heavy guage PVC conduit pipe …mm dia ...mm thick confirmingto IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary and as per the directions of the Engineer-in-charge of the work.a) 19/20mm dia 2mm thick	m	20.00			20.00	43.00	860.00	20.00	860.00
77	b) 25mm dia 2mm thick	m	15.00			15.00	57.00	855.00	15.00	855.00
78	Groove Cutting : Supplying heavy guage PVC conduit pipe ...mm dia ...mm thick with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, by groove cutting in wall and fixing by using U or J hooks and cement plastering up to the wall surface and run with 18SWG GI fish wire through out the conduit where ever necessary and as per the directions of the Engineer-in-charge of the work.a) 19/20mm dia 2mm thick	m	60.00			60.00	56.00	3360.00	60.00	3360.00
79	b) 25mm dia 2mm thick	m	40.00			40.00	58.00	2320.00	40.00	2320.00
80	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wal and as per the directions of the Engineer-in-charge of the work.a) 1-3Way	Each	25.00			25.00	91.00	2275.00	25.00	2275.00
81	b) 4-5Way	Each	20.00			20.00	98.00	1960.00	20.00	1960.00
82	c) 6Way	Each	5.00			5.00	121.00	605.00	5.00	605.00
83	d) 8Way	Each	15.00			15.00	140.00	2100.00	15.00	2100.00
84	e) 10-12Way	Each	10.00			10.00	159.00	1590.00	10.00	1590.00
85	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box and as per the directions of the Engineer-in-charge of the work.a) 1-3Way	Each	25.00			25.00	109.00	2725.00	25.00	2725.00
86	b) 4-5Way	Each	20.00			20.00	122.00	2440.00	20.00	2440.00
87	c) 6Way	Each	5.00			5.00	173.00	865.00	5.00	865.00
88	d) 8Way	Each	15.00			15.00	200.00	3000.00	15.00	3000.00
89	e) 10-12Way	Each	10.00			10.00	267.00	2670.00	10.00	2670.00
90	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate and as per the directions of the Engineer-in-charge of the work.a) 6Amps one way	Each	52.00			52.00	63.00	3276.00	52.00	3276.00

91	b) 6Amps 3way socket	Each	1.00			1.00	286.00	286.00	1.00	286.00
92	c) Stepped Fan Regulator	Each	10.00			10.00	286.00	2860.00	10.00	2860.00
93	d) 16Amps one way switch	Each	6.00			6.00	114.00	684.00	6.00	684.00
94	e) 6/16Amps universal socket	Each	6.00			6.00	147.00	882.00	6.00	882.00
95	f) TV/Telephone socket	Each	1.00			1.00	82.00	82.00	1.00	82.00
96	supplying and wiring adopting loop system in existing PVC conduit / casing capping using 1100 v grade , copper conductor flexible multistrand FRLS PVC insulated, 2 x1.5sq.mm cable confirming to the GTP, without switch, the other end of the wires shall be terminated with sufficient loose length in a wood /PVC cound block and as per the directions of the Engineer-in-charge of the work.a) Short point up to 3Mtr from tapping point to out let via switch box	Each	12.00			12.00	144.00	1728.00	12.00	1728.00
97	b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch box	Each	40.00			40.00	215.00	8600.00	40.00	8600.00
98	c) Long point above 6Mtr up to 10Mtr from tapping point to out let via switch box	Each	12.00			12.00	334.00	4008.00	12.00	4008.00
99	d) Two Outlet in a row, above 3.0M unto 6.0M from tapping point to outlet via switch box.	Each	5.00			5.00	423.00	2115.00	5.00	2115.00
100	e) Three Outlet in a row, above 6.0M unto 10.0M from tapping point to outlet via switch box.	Each	2.00			2.00	593.00	1186.00	2.00	1186.00
101	Supplying and fixing metal Fan box with Round Hook and as per the directions of the Engineer-in-charge of the work.	Each	12.00			12.00	92.00	1104.00	12.00	1104.00
102	supplying and wiring adopting loop system in existing PVC conduit / casing capping using 1100 v grade , copper conductor flexible multistrand FRLS PVC insulated, 2 x1.5sq.mm cable confirming to the GTP, without switch, the other end of the wires shall be terminated with sufficient loose length in a wood /PVC cound block and as per the directions of the Engineer-in-charge of the work.a) 1.5 sqmm	m	200.00			200.00	18.60	3720.00	200.00	3720.00
103	b) 2.5 sqmm	m	350.00			350.00	29.20	10220.00	350.00	10220.00
104	c) 25mm dia 2mm thick	m	120.00			120.00	42.10	5052.00	120.00	5052.00
105	d) 6 sqmm	m	50.00			50.00	63.80	3190.00	50.00	3190.00
106	e) 10 sqmm	m	20.00			20.00	108.00	2160.00	20.00	2160.00
107	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mountin using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting and as per the directions of the Engineer-in-charge of the work.a) 4 way TP & N	m	1.00			1.00	2399.00	2399.00	1.00	2399.00
108	b) 6 way TP & N	m	1.00			1.00	2867.00	2867.00	1.00	2867.00
109	b) 12 way SP & N	m	1.00			1.00	1622.00	1622.00	1.00	1622.00
110	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required and as per the directions of the Engineer-in-charge of the work.a) 5-32Amps SP	Each	10.00			10.00	418.00	4180.00	10.00	4180.00
111	b) 5-32Amps TPN	Each	2.00			2.00	1547.00	3094.00	2.00	3094.00
112	c) 40-63Amps TPN	Each	2.00			2.00	1936.00	3872.00	2.00	3872.00
113	Supplying, fixing and wiring eaarth Earth Leakage Miniature Circuit Breaker [ELMCB] 240/250V upto 300mA sensitivity on existing wood/panel board and as per the directions of the Engineer-in-charge of the work.a) 16-25Amps 2Pole	Each	1.00			1.00	2412.00	2412.00	1.00	2412.00
114	b) 32-40Amps 4Pole	Each	1.00			1.00	3350.00	3350.00	1.00	3350.00

115	Fabricating supplying and mounting M.S. box made out of 3 MM suitable for three I wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc and as per the directions of the Engineer-in-charge of the work.	Each	8500.00			8500.00	0.37	3145.00	8500.00	3145.00
116	Supplying .....amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenoliciFRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification and as per the directions of the Engineer-in-charge of the work.	Each	1.00			1.00	2135.00	2135.00	1.00	2135.00
117	Supplying fixing angle iron frame work fabricated out of M.S angle iron .. And m.S flat…. With bolts, washers etc., and painted with two coats of red oxide and then two coats of approved paint and as per the directions of the Engineer-in-charge of the work.a) 40x40x6 mm	Each	3.00			3.00	263.00	789.00	3.00	789.00
118	b) 50x100x50x6 mm	Each	3.00			3.00	648.00	1944.00	3.00	1944.00
119	Supplying and fixing Moulded Case Circuit Breaker (MCCB) .over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault and as per the directions of the Engineer-in-charge of the work.	Each	1.00			1.00	5809.00	5809.00	1.00	5809.00
120	Supplying of multi function degital meter with three line backlight LCD type display for voltage , current frequency, power, power factor, KVA, KWH,KVAR suitable for 3 phase, 4 wire LT network with IP 54degree of protection and completely wired as required with communication port and class 0.5s accuracy and as per the directions of the Engineer-in-charge of the work.	Each	1.00			1.00	8003.00	8003.00	1.00	8003.00
121	Supplying, fixing and wiring 0 to 600Volts 96x96mm AC Voltmeter on existing panel/wood board and as per the directions of the Engineer-in-charge of the work.	Each	1.00			1.00	390.00	390.00	1.00	390.00
122	Supplying, fixing and wiring 50/5 to 400/5Amps 5VA burden Current Transformer. Class 0.5 accuracy with Tape and as per the directions of the Engineer-in-charge of the work.	Each	1.00			1.00	483.00	483.00	1.00	483.00
123	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C and as per the directions of the Engineer-in-charge of the work.	Each	3.00			3.00	442.00	1326.00	3.00	1326.00
124	Supplying of on load change over switches 4 poles, AC-23A Duty, 415V, 50Hz, AC Supply and as per the directions of the Engineer-in-charge of the work.	Each	1.00			1.00	6426.00	6426.00	1.00	6426.00
125	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required and as per the directions of the Engineer-in-charge of the work.a) 3.5 core 50 sqmm	Each	18.00			18.00	265.00	4770.00	18.00	4770.00
126	b) 4 core 16 sqmm	Each	25.00			25.00	140.40	3510.00	25.00	3510.00
127	Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidating etc., complete and as per the directions of the Engineer-in-charge of the work.a) 25 sqmm to 75 sqmm	Each	30.00			30.00	16.20	486.00	30.00	486.00
128	b) 6 sqmm 16 Sqmm	Each	50.00			50.00	10.80	540.00	50.00	540.00
129	Providing and filling sand in exvated trench to cover already laid UG cable to a depth of 150mm alround the cable as per the directions of the Engineer-in-charge of the work.	Each	48.00			48.00	78.00	3744.00	48.00	3744.00

130	Providing and laying in position 100mm dia stone ware pipe in existing trench as per the directions of the Engineer-in-charge of the work.	Each	48.00			48.00	103.00	4944.00	48.00	4944.00
131	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class, as per the directions of the Engineer-in-charge of the work.	Each	28.00			28.00	223.00	6244.00	28.00	4.00
132	Supplying and fixing L.T cast iron pot heads suitable for 1.1 Kv class UG cable filled with necessory bitumin / insulating compound Complete with terminals, clamps, bolts, nuts and washers, as per the directions of the Engineer-in-charge of the work.	Each	15.00			15.00	585.00	8775.00	15.00	8775.00
133	Supplying and fiixing of heavy duty cable glands suitable for UG cable of 1.1 KV class, as per the directions of the Engineer-in-charge of the work.	Each	1.00			1.00	637.00	637.00	1.00	637.00
134	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes, as per the directions of the Engineer-in-charge of the work.	Each	2.00			2.00	400.00	800.00	2.00	800.00
135	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes, as per the directions of the Engineer-in-charge of the work.a) 50 sqmm Long Barrel	Each	12.00			12.00	62.40	748.80	12.00	748.80
136	b) 6 sqmm	Each	12.00			12.00	6.25	75.00	12.00	75.00
137	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm alround with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts, as per the directions of the Engineer-in-charge of the work.	Each	4.00			4.00	4317.00	17268.00	4.00	17268.00
138	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required and as per the directions of the Engineer-in-charge of the work.	m	50.00			50.00	118.00	5900.00	50.00	5900.00
139	Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition. LED light fighting 4' - 28 watts, as per the directions of the Engineer-in-charge of the work.	Each	8.00			8.00	1774.00	14192.00	8.00	14192.00
140	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamp, as per the directions of the Engineer-in-charge of the work.	Each	12.00			12.00	183.00	2196.00	12.00	2196.00
141	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system, 56" Sweep (1400mm) Regular moduel, as per the directions of the Engineer-in-charge of the work.	Each	10.00			10.00	2418.00	24180.00	10.00	24180.00
142	Supplying exhaust fan of 1440 RPM of 300mm (12") sizewith bracket blades complete for light duty suitable to operate on 230V 50Hz. AC Supply, as per the directions of the Engineer-in-charge of the work.	Each	2.00			2.00	1700.00	3400.00	2.00	3400.00
143	Fixing all types and all capacities fluorescent / false ceiling/spotlight/ CFLfittings indoor on the wall/ ceiling/rafters / girders using 23/0.0076" twin twisted RVC insulated wires, required nos of round blocks and clamps (if required), as per the directions of the Engineer-in-charge of the work.	Each	16.00			16.00	98.00	1568.00	16.00	1568.00

144	Fixing fluorescent light using 2mtr long 19mm 18 SWG enameled braised conduit of two Nos. rod pendent with ball socket with check nuts all nickel plated, as per the directions of the Engineer-in-charge of the work.	Each	16.00			16.00	504.00	8064.00	16.00	8064.00
145	Fixing a ceiling /Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps.ceiling rose,necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire of approved quality, mounted on a suitable aize wooden board and wired, as per the directions of the Engineer-in-charge of the work.	Each	10.00			10.00	237.00	2370.00	10.00	2370.00
146	Fixing a ceiling fan with extra length of GI pipe of class B 19mm dia for down rod, as per the directions of the Engineer-in-charge of the work.	Each	10.00			0.00	164.00	0.00	0.00	0.00
147	Fixing one Exhast fan in the nitch already left in the wall with bolts and nets and 5 amps. Ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire, as per the directions of the Engineer-in-charge of the work.	Each	2.00			2.00	412.00	824.00	2.00	824.00
148	Bescom Deposit	Each	1.00			1.00	4172.00	4172.00	1.00	4172.00
	Total							**3527973.77**		**3527973.77**
	11% KRIDL Charges							**388077.11**		**388077.11**
	Grand Total							**3916050.88**		**3916050.88**

Certificate

1.The Work executed by the contractor is found satisfactory

2. The contractor hasremoved the debris from the work spot

3. Thereare no departmental issues for this work

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore